

METHOD AND SYSTEM FOR CALIBRATING MULTIPLE CAMERAS WITH
POTENTIALLY NON-OVERLAPPING FIELDS OF VIEW

Abstract of the Disclosure

A camera calibration system providing a first transmitter capable of transmitting a first signal; a second transmitter capable of transmitting a second signal; a second receiver and a third transmitter capable of transmitting a first plurality of signals. The second receiver and the third transmitter being movable together as a common unit so that the second receiver receives the first signal and the second signal and so that the first plurality of signals are receivable by a first camera to be calibrated. The system provides for a processor in electrical communication with the second receiver and the first camera, the processor capable of receiving a second plurality of signals from the first camera to be calibrated, the second plurality of signals indicative of receipt of said first plurality of signals. Further, the processor is capable of generating a third signal indicative of calibration of the first camera and being configured to determine a relative coordinate system of the common unit, the first transmitter and the second transmitter, and the first camera based at least in part on the first signal, the second signal, and the second plurality of signals.